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SOURCE Mechanizator Rolnictwa.

POLISH REGULATIONS GOVERNING GUARANTEES
AND MAINTENANCE ON TRACTORS

GUARANTEES ON TRACTORS IN POLISH AGRICULTURE -- Warsaw, Mechanizator Rolnictwa,
 Vol I, No 5, Jul 52

The tractor factory guarantees the tractor for the initial period of operation. The guarantee covers free replacement of parts or assemblies damaged as a result of faulty construction, faulty assembly, improper material, or inadequate machining; provided the tractor operator follows factory instructions in servicing and breaking in the tractor. Costs of labor in replacing parts are borne by the owners of the tractor.

Full responsibility for damage or loss during operation of the tractor, or for injuries to tractor operators or other persons is borne by the owner. Only expert operators, well qualified for the job, should be assigned to new tractors.

The Ursus Machine Shop guarantees the C-45 for 9 months from the date the tractor leaves the plant, but for not more than 1,500 hours of work from the time it is put in service.

KOVO [Czech import-export firm], in the name of the Czech "Zbrojovka" State Enterprise, gives each purchaser and subsequent owner of the Zetor 25 and 25K a guarantee for a period of 6 months from the date of its issuance at the CZR (Centrala Zaspotrzenia Rolnictwa, Central Office for Supplying Agriculture) distribution center, but for not more than 7 months from the date of crossing the border.

In addition to this general guarantee, KOVO guarantees the following number of hours of work for the respective parts:

Part	Number of Hours
Pistons and cylinder liners	2,000
Piston rings	1,200
Front wheel bearings	2,000

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<u>Part</u>	<u>Number of Hours</u>
Generators and tension governors	2,000
Injection pumps and injectors	2,000
Camshaft gears	2,000
Fan belt	1,500
Cylinder heads	2,000
Radiators	2,000

The Soviet supplier guarantees normal operation of tractors for a period of 12 months from the date the tractor is put in service, but for not more than 15 months from date of delivery.

The Wytownia Sprzetu Mechanicznego PP (Mechanical Equipment Factory, State Enterprise) in Lodz guarantees the S-60 motor for 6 months from the date the tractor leaves the CZR distribution center, but for not more than 1,000 work hours of the tractor.

TOR SERVICE WITH TRACTOR GUARANTEES -- Warsaw, Mechanizator Rolnictwa, Vol I, No 6, Aug 52

The TOR (Techniczna Obsluga Rolnictwa, Technical Farm Service) supplies the service on the factory guarantee of internal combustion engines through its Guaranteed Service Division. The service starts from the time of delivery and lasts until the final inspection under the guarantee. The guaranteed service supplied by the TOR expires earlier than the factory guarantee for parts.

The following items are included in the service performed by the TOR:

1. Activation of the tractor on delivery, instruction of the operator, and a check of his qualifications
2. Technical supervision over maintenance and operation of the tractor during the period of guarantee, and a check on compliance with factory instructions
3. Specified periodic inspections and adjustment of mechanisms and assemblies
4. Check on consumption norms and quality of fuels and oils used
5. Replacement of defective parts as covered by the guarantee; owner pays labor costs
6. Instruction on operation and servicing of tractors at the initial inspection and the successive inspections under the guarantee.

The basic fault in starting to use a new tractor is not breaking it in properly. In all new machines, even though they have passed a rigid test, moving parts are not adequately broken in to work with a full load from the very beginning. The parts must be broken in gradually by working at first without a load and then gradually increasing the load until a full load is reached. A new tractor just out of the factory or a newly reconditioned tractor cannot be used immediately with a full load.

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The following is the schedule for breaking in tractors in the field before working with a full load:

Ursus	100 hours
Zetor 25 and 25K	50 hours
KD-35	50 hours
S-80	60 hours

Another point, equally important, is strict adherence to periodic inspections under the guarantee.

Inspection schedules for various types of tractors are as follows:

<u>In- spec- tion</u>	<u>Ursus</u>	<u>Zetor 25</u>	<u>KD-35</u>	<u>S-80</u>	<u>S-60</u>	<u>Reconditioned Tractors and Engines</u>
1	Initial	Initial	Initial	Initial	Initial	--
2	100 hrs	60 hrs	60 hrs	60 hrs	100 hrs	60-80 hrs
3	300 "	120 "	120 "	120 "	300 "	--
4	600 "	240 "	240 "	240 "	700 "	--
5	900 "	360 "	360 "	360 "	--	--
6	1,200 "	540 "	540 "	540 "	--	--
7	Repairs	720 "	720 "	720 "	--	--

REQUIRED TECHNICAL INSPECTION OF TRACTORS -- Warsaw, Mechanizator Rolnictwa, Vol I, No 2, Apr 52

Systematic servicing and periodic inspection of tractors are imperative for maximum productivity and economical operation.

The Ministry of Agriculture has ruled that five types of periodic inspections must be strictly enforced by the POM (Panstwowe Osrodki Maszynowe, State Machine Centers) and PGR (Panstwowe Gospodarstwa Rolne, State Farms). The schedule for various types of tractors is as follows:

<u>Inspection</u>	<u>Ursus</u>	<u>KD-35</u>	<u>Zetor</u>
Type 1	Daily	Daily	Daily
Type 2	Every 50 hrs	Every 50 hrs	Every 60 hrs
Type 3	" 100 "	" 100 "	" 120 "
Type 4	" 300 "	" 300 "	" 360 "
Type 5	" 600 "	" 900 "	" 720 "

Type 1 and Type 2 inspections are made by tractor operators under the supervision of the brigade leader at the brigade location. Type 3 is carried out at the location by a traveling service mechanic and must be arranged to conform to his work load. Types 4 and 5 are to be made in the POM and PGR workshop and must be planned to avoid overburdening the workshop and keeping the tractors idle.

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